# JOURNALISM DEMANDS COLLEGE-TRAINED MEN

## President Hill Says This Profession Has Right to Expect to Recruit Its Ranks From University Output.

(Continued from Third Page.)

men and women of the State would possible only when Congress passed the college." those who are to be in a special sense of public lands for a college in each a great College of Agriculture. We dices and cramped resources, it has perof our students or improvement in our finds its present Live Stock Judging the bearers of this culture to the rising State, whose object should be the teachmust adapt the scientific results achieved formed an honorable service to the State.

Work, is an additional call for legisWork, is an additional call for legisPavilion completely outgrown because generation, the public school teachers. ing of "such branches of learning as are to the needs of those living on the soil. Now, to my mind, if the State requires lative appropriations. The University of the increased enrollment, and though "The function of a University," said the related to agriculture and the mechanic While maintaining the high standards of the Curators; still Missouri is one of the leading horse "The function of a University, said the related to agriculture and the most of the leading horse noted educator, Sir Joshua Fitch, "is to arts." After a long-continued and bit-scholarship that have been wisely adopt-less does it belong to the Curators; still Missouri is one of the leading horse less does it belong to the President. It rearing States in the Union, no building teach and to train teachers." Without ter struggle this College was in 1870 ed for those students who take the deattempting here to discuss the limita- located at Columbia "as a distinct De- gree, we must seek to educate a much institution properly equipped, where the are the administrators of a trust. It the stabling of horses to enable the detions of this statement, it seems to me partment of the University," by an act larger number of young men in modern requisite training can be obtained. It is, therefore, our duty to report from partment to adequately carry on its self-evident that no State University can of the Legislature which has proved a methods of agriculture than can spend is to be hoped that the State of Misting a high source will promptly take measures to count itself truly a part of the public god-send to both the University and the four years here after completing a high souri will promptly take measures to tives the ways in which, according to and the Horticultural Building was outschool system that does not regard it State. Even the discussion which the school course. We must expand and provide greater facilities for the trainas one of its primary functions to equip long contest gave rise to, in the news- make still more attractive our short ing of her physicians and that the Medimen and women for leadership in the papers, in educational journals, in lecwinter courses and carry the gospel of cal Department of the State University,
risk of making still further drafts upon withdrawn from that building at an great work of public education, as it is tures, on the stump and before the scientific agriculture, both by bulletins whose ideals and standards are now your patience, I must say a word in early date and a new building be prorepresented in the elementary and sec- Legislature, aroused public thought on and by extension lecturers, to the four high, may be able to still farther raise regard to some of our most pressing vided for the fundamental Biological ondary schools of the State. So thought educational matters and educated the corners of the State. Nor should the its standards and increase its usefulthe founders of the University of Mis-people to a larger and truer conception college of Agriculture count its field ness to the people of the State. souri. President Lathrop, during the of the State University. It amounted limited to that which concerns the culyear which saw the dedication of the to little less than a second founding of tivation of the soil and the care of live Missouri has led to a demand upon the sity, for buildings and appliances are as essential to its efficiency as laborafirst building, 1843, urged upon the Legis- the whole institution. lature the Curators the importance of In accepting the Land Grant, the State ers College and the State Normal Schools for men trained in civil, electrical and his work efficiently. I believe the cause of the lock of such a building it making special provision for the professor Missouri became responsible for the it should help devise and execute plans mechanical engineering. The power plant teacher's calling is the highest among has been forced to rent property in sional training of teachers here, and the administration of the funds, the super- for the improvement of rural education, manager, the engine builder, the electric men, but it is usually the worst paid; town in order to carry on its work. Father of the University, Honorable vision and control of the instruction, James S. Rollins of Columbia, introduced and for supplementing the congressional and supported to its final passage in the grant not only by the erection and main-Legislature of 1867 a bill to establish a tenance of buildings and equipment, but Normal Department, as the first profes- also, it is clearly implied, by additional sional school of this University.

### GROWTH OF THE NORMAL DEPARTMENT IN UNIVERSITY

scious of the significance of this new De- this College of Agriculture. But the partment and that the people expected Federal Government also went further the University to exert through it a and later provided by the second Morrill wholesome and uplifting influence upon Act and still more recently by the Nelthe schools of the State, is indicated by son Amendment, for annual appropriathe fact that at the same session there tions from Congress in support of agriwas made to the University an annual cultural education in each state that exgrant of 1 1-3 per cent of the State ceed the total income of many a reputable revenue, after deducting therefrom 25 college. per cent for the support of common NORMAN J. COLMAN'S schools, the first grant made by the State itself for the support of its University. The establishment of the Nor-

fraction of the four thousand new teach- teristic in the future. ers that must every year be recruited for The College of Agriculture has con- pose of its establishment, the School the schools of this great State, and the tributed to the wealth of Missouri much needs some additional buildings and Normal School in each of its main geo. Federal governments combined, and the graphical divisions. Being in a position present work is but a promise of what HOW LAW DEPARTMENT to admit students of less scholastic it is capable of doing in the future. Take preparation than is possible for the Uni- for instance the State Soil Survey which versity, and being located in the very is now in progress, which aims to deterheart of the communities which they are mine accurately the various types of soil intended to especially serve, these Nor- in the State, their chemical composition mal Schools can do a work which no and physical characteristics, and their other element in the school system can adaptability to various plants, to crop so well accomplish, and they and the rotations, and to different systems of University should work together practi- farming. Samples of these soils are cally as a single institution for the im- analyzed and their origin and past hisprovement of the whole system of public tory studied. Definite field experiments schools supported by the State. The are now in progress on the principal soil University should be prepared to offer types which are most urgently in need the most advanced professional and aca- of attention, for determination of the demic courses for normal school grad- particular fertilizers, renovating crops, nates, as for the graduates of the col- and systems of rotation which could be

# STRUGGLE AT FOUNDATION

teaching in the public schools.

But while the people of this State believe with Plato that the divinest things are the most serviceable, they also

ture of the best minds among the young of Curators, but its realization was made culiarly well suited to build such a knowledge. The Medical Department of seem to come professional training for Morrill Act providing for the donation

endowments for purposes of instruction. She has kept faith with the Federal Government and has made increasing appropriations for the furtherance of the ob-That the Legislature of 1867 was con- jects aimed at in the establishment of

mal Department here was also the first Act of Congress in behalf of the agricul. deny the utility of a similar one in the tendency that might creep into the Unistep taken by the State to provide pro tural interests of the county and of United States, and as to its location versity atmosphere. Our technical infessional training for Missouri school higher education in the science of agri. there can be no question, for, compared struction in Engineering is good. Let it globe with the resources at his command. ion, when not one-half of our students teachers. It antedates the State Normal culture, was the Hatch Act of 1887 with any other part of the Union this be still farther improved. And let us I shall seek to follow his policy in this can be admitted to this hall, that the Schools of this State and was the first which provided for the establishment will be found the land of ores, the coun-Department of its kind in America to be and support of agricultural experiment cry of minerals. . . . Every day is also be a man, and not only that, if he to every one familiar with the University seating capacity of at least 3000 in orestablished as co-ordinate in rank with stations in every state, "so that prace developing to us the vast resources of is to be a leader in his profession, he of Missouri. So to the people, I would der to provide for gatherings of the entical and scientific agriculture could walk this country in minerals, particularly in must also be a leader of men. The say, force us to work here in poor build- tire membership of the institution, so as Amid varying fortunes and under var- hand in hand," as the originator of the lead, and we cannot resist the belief that ious names, this Department has been plan tells us, and, as we know from the in riches and extent the mines of Mistal sciences. English, and economics. ever since maintained by the University results, so that discovery in agricultural souri are paralleled by no other district Would it not be well to still further and has rendered a valuable educational science might be stimulated and its re- in the world." Opened in 1871 at Rolla improve them by lengthening them some- tirely overcome the handicap of meagre of dormitories, both for men and women, service to the State, but it remained for sults reported promptly and directly to as a Department of the State Univer- what so as to provide more liberal and equipment in libraries and laboratories. so that students of the University may the administration of President R. H. the farmers of the State. This establish. sity, the School of Mines has justly taken humanistic training for citizen engi-Jesse to fully realize the responsibility ment was made possible through the high rank among the mining schools of neers? of the University in the preparation of force, eloquence, and insight of one who America, draws a large number of stuteachers, and the necessity as well as was for fifteen years a member of the dents from other States, is now probably JOURNALISM'S DEMAND wisdom of strengthening this old De- Board of Curators of this University, an better equipped materially for its special partment. In 1904 it was reorganized honored citizen of Missouri, and the first work than any other Department of the as the Teachers College, its courses were Secretary of Agriculture for the United University, was never better adminisput upon a scientific basis in keeping States-Honorable Norman J. Colman of tered than it is today, and its future with modern university spirit, its de- St. Louis. The establishment of the value to the State cannot be doubted. grees made the full equivalent of other Experiment Station within the College The lines of its development seem to be university degrees, and its activities of Agriculture introduced a new spirit indicated by two significant facts that greatly extended. That its recent service into the work and marked the beginning have shown themselves for the first time to the educational system of the State of investigations that have brought fame this year: a relatively large number of has been much appreciated by the school to the College of Agriculture and saved young men who had secured their fundateachers and intelligent citizens of Mis- this State and the Southwest millions mental scientific training in the Departsouri there can be no doubt, and prop- of dollars, and contributed in no slight ments at Columbia where it can be much erly supported and wisely directed there degree to the growth of that spirit of better given, transferred to Rolla for are virtually no limits to its possibili- discovery that is coming now to permeate their special work in Mining; and a ties of service. But the Teachers Col. every department of the University and large enrollment of graduate students lege cannot supply more than a small is to be its most distinguishing charac- gives a higher scientific tone to all its

leges who wish to take up the work of counted on to produce the greatest economic results. Experiments have also been instituted to ascertain the cost, the feasibility, and profitableness of tile OF AGRICULTURAL COLLEGE drainage for certain areas in the State.

## VALUE OF SCIENTIFIC

planned from the outset, as had been complete, the College of Agriculture will ford to demand of her students that noted, to have taught in the University be able to inform any community in the thorough training in habits of logical whatever branches of knowledge might State what system of farming, what thinking and that knowledge of political prove "useful in the practical arts and kind of fertilizers, etc., will be most institutions that will give her graduates business of life." And when they turn- profitable, and the results, if heeded by the power to take positions of leadership ed to the consideration of how instruc- the people, will add enormously to Mis- in the practice of their profession, and tion in the University might be made a souri's wealth. Experiments of similar the social efficiency which is the jusmeans of developing the State's indus- significance are also in progress along tification of the State's expenditure. tries, what more natural than that they lines affecting the live stock and dairy Contrary to the opinion of some who both were geniuses. should think first of instruction in Agri- interests of the State, some of them in think that an institution supported by culture, the greatest industry and source co-operation with the United States De- the people in their corporate capacity UNIVERSITY BELONGS of wealth in the State? The establish- partment of Agriculture, and results of can never attain to the standards of a ment of the Agricultural College as a great value are in sight if the means are true university. I hold it to be the su-

with approval the words of the last re- the people of the State. port made by the State Board of Agri- DEPARTMENT OF MEDICINE culture: "In the heart of the greatest agricultural region in the world, the

GROWTH OF SCHOOL

technical work. To realize fully the pursalaries to its Faculty.

The Law Department has been maintained at very slight cost to the State ever since 1872, and its graduates by the hundred have rendered valuable service to the communities in which they have settled and to the whole State in the halls of Legislature and the offices of government. It has led the standards of legal education in Missouri and exerted a wholesome influence in favor of higher standards of admission to the bar of the

I said earlier that in its fundamental courses the University must permit no gap to exist between her work and that of the good secondary schools, but this does not prevent her from requiring of her students the completion of a sound general training before permitting them to pursue special and professional courses. The institution that furnishes STUDY OF AGRICULTURE the best legal education in the common-When this piece of investigation is wealth practically free of cost, can af-

on to a successful issue. All this in ad- a free State University to maintain the condition of civilization everywhere, sity or choice seek to take advantage of dition to the instruction that is fur- highest standards of graduation in her and one that is accepted by all enlightnished to large numbers of Missouri professional schools that the civilization ened people. Exclusive of permanent State Farm, Veterinary Science finds its young men in the scientific and practical of the time may demand, for by so doing endowments, a tuition fee of three hunphases of agriculture. May I not quote she will render the largest service to dred dollars a year would be necessary the agricultural buildings, and the necessary

Nothing can be of greater concern to a Mississippi Valley, will grow up in the State than the health of her people, and near future the greatest agricultural college in the world. Missouri, one of the first products of a demand for higher equal recognized standing in the counrichest of these States, with a more di-education. In the field of medicine, if foreshadowed in the addresses of the first versified agriculture than any other, and anywhere, it is important that rule of with pride. Missouri has generously

and stimulate local initiative and local and steam railroad contractor and man- and as the customary remuneration in IN FIVE YEARS THE ambition for all that pertains to the wel- ager, the cement manufacturer, and all a profession is liable to determine the fare of rural life and rural institutions. the great industrial interests of the estimation in which that profession is OF MINES AT ROLLA appealing not only for trained employees, the best minds are deterred from the Next to the agricultural resources of of Engineering which was at first a di-Missouri stands her mineral wealth, in vision of the College of Agriculture and Besides, there must always be a meascoal, iron, lead, zinc, lime, barites, clays, Mechanic Arts, thus came to assume the ure of competition in the employment people of the State realize that since and building stone, and the wisdom of importance that demanded its establish- of teachers as in other concerns, and the Fathers was shown in the provision ment as a distinct Department of the this University cannot hope to secure made by the same Legislature for the University. The value of this School to and retain the ablest teachers for the establishment of a School of Mines and the rapidly developing industries of the young men and women of Missouri un-Metallurgy as well as a College of Agri- State can hardly be overestimated. The less she can pay salaries equal to those culture and Mechanic Arts. There was industries of the State and the School paid by other institutions of her class. thus fulfilled the interesting prophecy of Engineering are in fact but two difof the explorer and scientist, Henry R. ferent parts of the same thing. The Schoolcraft, in 1819: "There should be development of this School has also cona mineralogical school located in Mistributed to University life by bringing souri. . . Any one who is cognizant to Columbia a large number of our administration of President Jesse that of the increasing number of young of the advantages which various parts of most earnest students, and by inspiring he worked persistently, perhaps more women who, in response to the demands WORK HIGHLY PRAISED Germany and particularly Saxony, have them with ideals of efficiency that are persistently than any other university of modern civilization, seek the advan-But in some senses the most significant derived from such a school, will not wholesome antidotes to any malarial President in America, to secure and tages of higher education, a gymnasium courses here now require the fundamen- ings if you must, but for the sake of to maintain some unity in its life and

FOR EDUCATED MEN But the University of the people must include scientific preparation for any The best that has been done in the past This is the University of the people department of our community life, for is embodied in the literature of the var- of Missouri. Individuals of wealth the successful prosecution of which an exengineers; and only this year in rein numbers and important in influence,

economic needs. A People's University must thus be a very complex institution and furnish a varied programme of instruction. It must be dedicated both to truth and to utility, and while cherishing the old, it must always be in pursuit of something better. But this scope of instruction and progressiveness of spirit bring with them one serious embarrassment. The natural equipment necessary for the old college was small and inexpensive. A few rooms, a few books, and a small teaching staff were all that was necessary. But modern scholarship is a scholarship of investigation, and investigation requires vast resources in the way of apparatus, libraries, laboratories. and museums. These resources are as indispensable to modern higher education as are machines to modern industry. Mark Hopkins at one end of a log and a student at the other would hardly constitute a modern university, even if

NEEDS BETTER FACILITIES students alone. In the University of Missouri we expend much less than that amount on each student, in fact try, but I do not point to the fact

State turn to the University for help, held, the State will suffer detriment if but for expert advice also. The School profession of teaching by the social at-

## PUTS FACULTY ABOVE

the youth of Missouri, give us men!

discovery and the promulgation of truth. university.

## POINTS OUT NEED FOR

NEW LIBRARY BUILDING Department of the State University was provided for carrying these experiments preme privilege and the prime duty of self-sustaining. This is a recognized the number of students that from necess areas for the tasks that lie before her.

the courses in that science. At the in the best universities of America, if sity of bringing diseased animals for the costs were to be defrayed by the study into the Live Stock Judging Pavilion is a menace to the health of the most valuable animals in the herd; the Dairy Department needs a more suitable barn for its purposes, for the State Duiry Association has declared that there is not a herd of dairy cattle of foreshadowed in the addresses of the first President and discussions in the Board with the most central location, is permission of the most central location of the most central locatio this University was established in 1873 atike, and this provision imposes a nish an example of appropriate sanitary But we must do more than build here and though it has suffered from prejugated by the But we must do more than build here and though it has suffered from prejugated by the But we must do more than build here and though it has suffered from prejugated by the But we must do more than build here and though it has suffered from prejugated by the But we must do more than build here and though it has suffered from prejugated by the But we must do more than build here and though it has suffered from prejugated by the But we must do more than build here and though it has suffered from prejugated by the But we must do more than build here. proved and made more efficient. At the that the work in Botany should be Sciences. The Teachers College needs a In the most literal sense, it is the building in which to conduct its classes stock, but joining hands with the Teach- State's highest educational institution only means to enable the teacher to do tories for the physical sciences, and be-

## ENROLLMENT DOUBLES

These are just the most pressing and immediate needs for space in which to carry on the work of class-room and laboratory instruction in this University, and I can hardly believe that the 1903, the date when I first became acquainted with the institution, our enrollment in the Departments at Columbia has more than doubled, while there has not been added a single building for class-room or laboratory purposes, if we exclude the small and inexpensive structures that have been erected BUILDING EQUIPMENT at the Farm. But this is not all. If I consider it the greatest glory of the we are to adequately care for the health prevent its spiritual interests from dis-But even great teachers cannot en integration. Still another need is that A college may be successful with a com- find adequate and hygenic living acparatively small library, but to a uni- commodations and so that living expenses versity a large and increasing collection may be kept at a moderate rate. Let of books and periodicals is a necessity. us see to it that the University of Mis-A university is an organization for the souri never ceases to be the poor man's

ious subjects, and every investigator within the State might well add private tensive training is desirable. We must know what has been done before, benefactions to public munificence, knowadd, therefore, from time to time schools if he would know whether he is finding ing that any buildings erected here will which will take care of the new profes- what is new. And as for the students, be lasting monuments to their memories, sions as they may appear. We have for in proportion as they advance into the and that the State will gladly provide some time provided for the training of higher realms of knowledge, in the same for maintenance and for the administralawyers, physicians, agriculturists, and proportion does the teacher's service to tion of the trust. It is perhaps not fully them become less and less that of the known throughout Missouri how large a sponse to insistent calls from students dogmatist, and more and more that of proportion of the University's property with that field in view, the University one who simply points out the way and is the gift of the generous and idealistic has made provision for the training of guides them in their own independent spirit of the citizens of Columbia and journalists. This great profession, large investigations. Everywhere a generous Boone County, and they have magnanistore of books has been considered a pro- mously turned over this property to the has a right to expect to recruit its ranks vision of the most fundamental imfrom university trained men, and I am portance. For instance, the University even a permanent record of their names. State has wisely established a State more than its total cost to the State and equipment and funds to pay much better hopeful of the service which the School of Strasburg, which is one of the newest of Journalism of this University will establishments in Germany, did not think of the State who will emulate their render to the advancing and complex of beginning instruction till it had col-RAISES LEGAL STANDARDS civilization of Missouri. What other lected a quarter of a million volumes, of the legislature? And to the legislaprofessional schools we will need to add and this collection has been constantly fors we would say: You are fortunate to our organization, only time and the added to ever since. The present li- in having the means of supply or in being changing and growing demands of a brary facilities of the University of Mis. able to create them in large abundance. progressive civilization can determine, souri are altogether inadequate, and Visit the University. Examine into its We must stand ready to meet the needs what has been said about the library, minutest details. All its interests are of the people and trust to the people to both as to importance and present in- yours as the representatives of the peosupport the forms of training that min- adequacy, can be said of the laboratories ple. And when you become familiar with ister to their intellectual, social and of both the pure and applied sciences, its work and its aims, I am sure you will plan for it largely, generously and abundantly as the crowning glory of the commonwealth. As I recall the history of In the matter of buildings, the most what has already been accomplished, pressing need is for a library building, as I contemplate the resources of this of fire-proof construction, in which to great and noble State, I believe the preserve and make better use of the legislature and the people will be content present collections of the university and with nothing short of making this Uniof the State Historical Society, and proversity worthy of the State, and that vide for their future growth. It is false means making it the peer of any unieconomy for the State to expose to versity in the land. This institution risk of fire the valuable collections that has already become recognized as one are now housed in this Academic Hall of the first universities of America and and in other buildings on the campus, the leading institution of higher educamany of the pamphlets especially being tion in the whole Southwest, and the impossible of reproduction in case of people of Missouri will wish to maintain loss, and the space now occupied by and advance its standards for the sake stacks and reading rooms is sorely need of their sons and daughters, and at ed for class room purposes. The Engi- reasonable tuition fees, for the children neering Building is overcrowded and ill- of those Missouri pioneers who have adapted for the purposes of one of the gone cut beyond her borders to develop fundamental scientific laboratories now the resources of this vast region. They quartered there. Physics is the most will want to see here buildings, equipfundamental of sciences, and yet it is the ment, great teachers, and a mature and one science taught on this campus that earnest student body. These are the fachas no building provided especially for tors that go to make up a great univerits use. The Chemistry Building, never sity; and these are the aspirations in TO ALL THE PEOPLE well suited for the purpose, has been en- whose strength the University of the